Claims

1	[001]	1. Method for managing a computer system, the system operating with a plurality
		of blades (112), the method comprising: detecting the presence of a new blade in
		the computer system; installing an operating system on the new blade;
		configuring the operation system; and copying a service that is running on an
		earlier detected blade to the new blade.
ì	[002]	2. The method of claim 1, wherein installing the operating system is performed
		by accessing a mass storage that is part of the system.
1	[003]	3. The method of claim 1, wherein installing is performed by using scripts.
İ	[004]	4. The method of claim 3, wherein installing is performed by using scripts that are part of the service that is running on the system prior to detecting the new
	. 0	blade.
	[005]	5. The method of claim 1, wherein between detecting and installing step the
		following is performed: monitoring systems performance and continuing with
		installing upon reaching a predefined threshold of a measurement value.
	[006]	6. The method of claim 5, wherein the measurement values are taken from at
		least one of the following: usage of processor (202) resources, processing times,
		usage of memory (204), remaining capacity of data storage (206), com-
		munication parameters of blade interface (208).
	[007]	7. The method of claim 5, wherein monitoring is performed periodically.
	[008]	8. The method of claim 5, wherein monitoring is performed by monitoring
		processes that operate consecutively for adjacent blades.
	[009]	9. The method of claim 8, wherein monitoring is performed by a token ring
		technique.
	[010]	10. The method of claim 5, wherein the measurement values are related to the
		blades independently.
	[011]	11. The method of claim 6, wherein the processing times are related to
		processing times for incoming telephone calls, a call rate, in case the computer
		system operates an application with telephone call centre activity.
	[012]	12. The method of claim 1, wherein computer instructions to perform the steps
		detecting are part of services that are running on the computer system.
	[013]	13. The method of claim 1, wherein computer instructions to perform the steps
		detecting to copying are performed according to criteria in the service that is
		running on the earlier detected blade.
	[014]	14. The method of claim 1, wherein copying the service comprises to copy data
		that is access from the main memory of the earlier detected blade to main
		memory of the new blade.

[015]	15. The method of claim 1, wherein copying the service comprises to restart the
	service, wherein executable instructions of the service are loaded from a central
	storage and wherein an image of the process context of the service is transferred
	to the new blade.
[016]	16. The method of claim 1, wherein copying the service comprises to modify the
[0.0]	version of the service.
[017]	17. The method of claim 1, wherein installing the operating system comprises to
[017]	modify the system.
[018]	18. The method of claim 1, characterized in performing the method for at least 3
[UIO]	blades, for subsequent execution of a controller service, an engine service, and a
	monitor service, the services belonging to the same business application.
[019]	19. Method of claim 1, controlled by a controller residing on at least one blade,
[017]	wherein the controller performs further functions selected from the group of:
	testing the copy of the service on the new blade and modifying the execution of
	the service on the earlier detected blade in case the copy of the service operates
	successfully.
[020]	20. The method of claim 19, wherein modifying comprises to stop the service on
[020]	the earlier detected blade.
[021]	21. Method for managing a computer system, the system operating with a
	plurality of computers, the method comprising: assigning a service (e.g., service
	A) to set of computers (1, 2) to a group; shifting a service (e.g., service A) that
•	runs on a first computer (e.g., computer 1) of the group to run on a second
	computer (e.g., computer 2) in the group; re-installing the operating system to the
	first computer.
[022]	22. The method of claim 21, wherein shifting and re-installing is repeated
•	cyclically for all computers in the groups, thereby keeping the number of
	computers with the attribute re-installing the operating system smaller than the
	number of computers with the attribute re-installed operating systems.
[023]	23. The method of claim 21, wherein shifting is accompanied by testing the
	service in parallel operation on the first computer and on the second computer
	and disabling the operation of the service by the first computer only if the test is
	successful.
[024]	24. The method of claim 21, wherein step assigning is performed for services of
	a first class (e.g., controller services) to a first group of computers and for
	services of a second class (e.g., monitor services) to a second group of
	computers.
[025]	25. The method of claim 21, applied for computers that are blades.
[026]	26. Computer program (100) comprising program instructions for causing a

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computer to perform the method of any of claims 1-23.

27. Computer program (100) according to claim 26, embodied on a record medium (970).